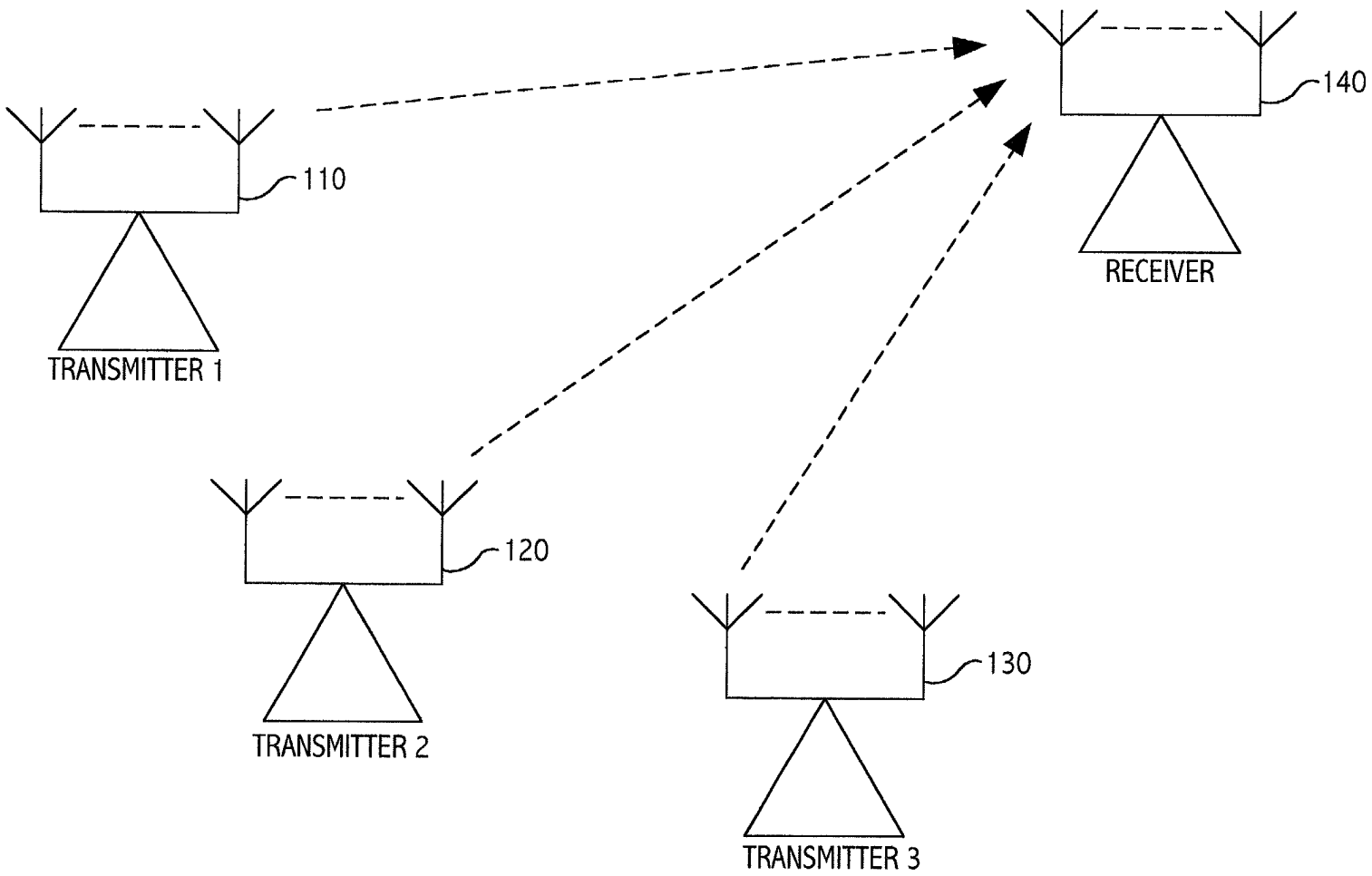

FIGURE 1(PRIOR ART)

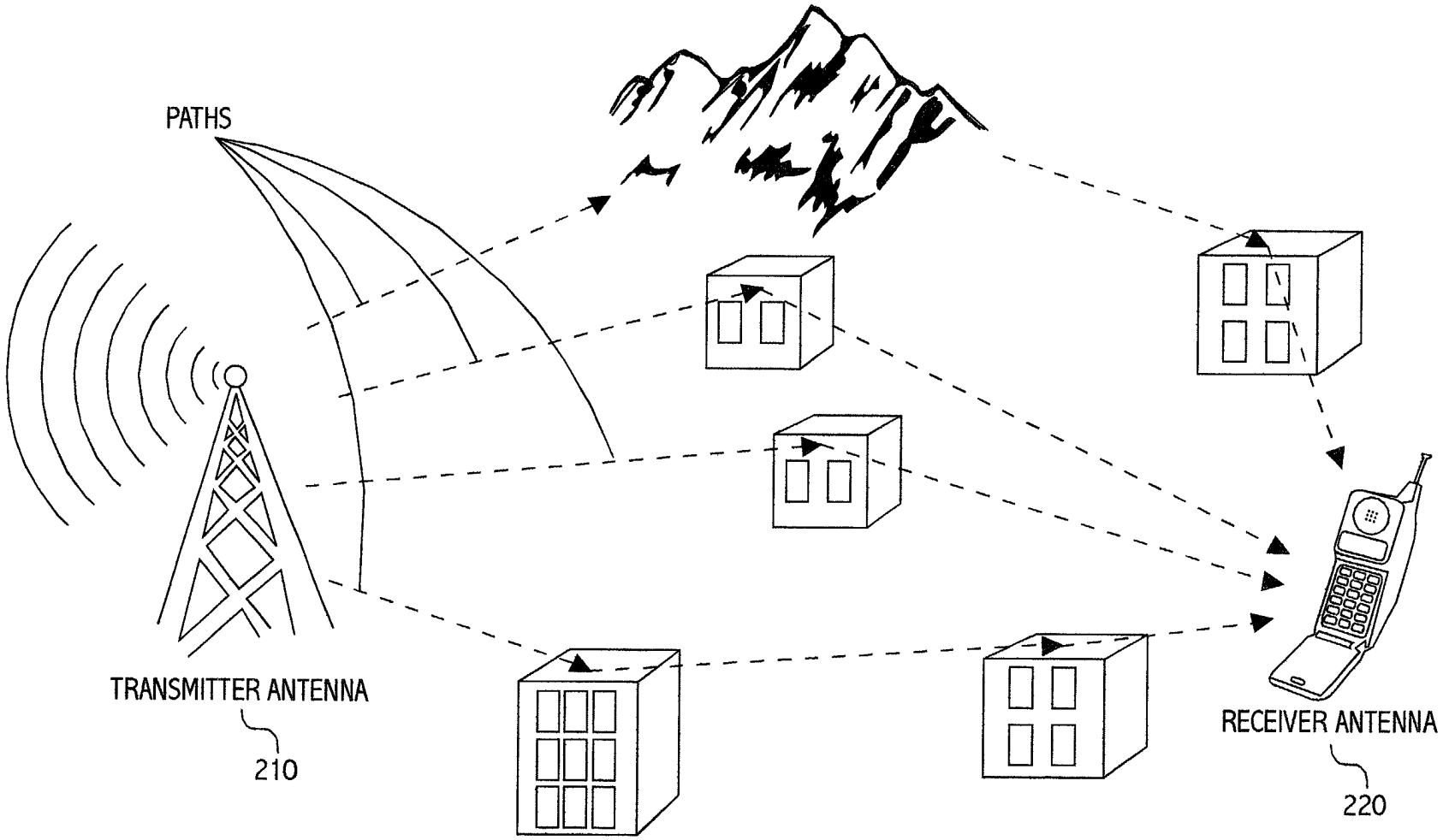

FIGURE 2 (PRIOR ART)

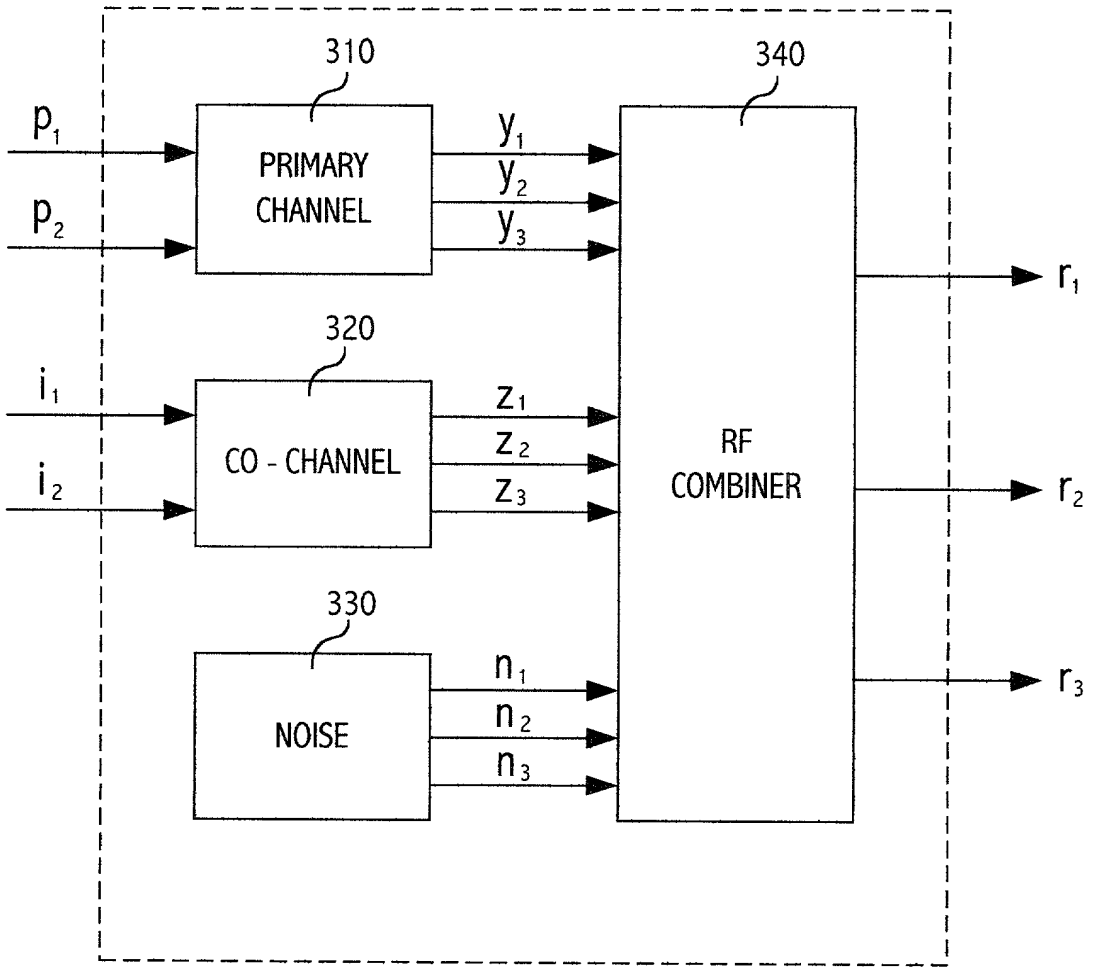
310
340
p_1
p_2
PRIMARY CHANNEL
y_1
y_2
y_3
r_1
320
i_1
i_2
CO - CHANNEL
z_1
z_2
z_3
RF COMBINER
r_2
330
NOISE
n_1
n_2
n_3
r_3

FIGURE 3

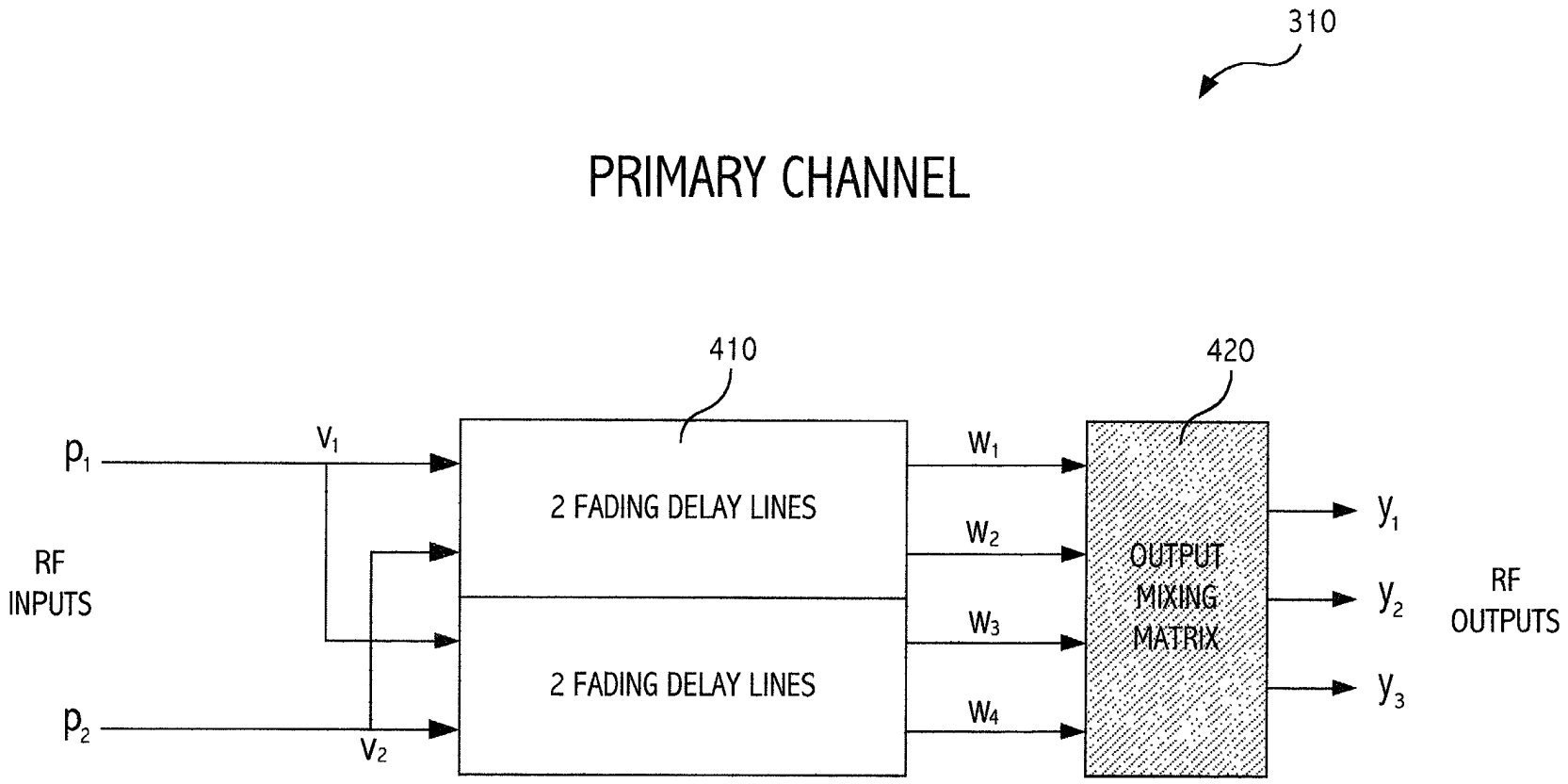
310
PRIMARY CHANNEL
410
420
p_1
p_2
RF
INPUTS
v_1
v_2
2 FADING DELAY LINES
2 FADING DELAY LINES
w_1
w_2
w_3
w_4
OUTPUT
MIXING
MATRIX
y_1
y_2
y_3
RF
OUTPUTS

FIGURE 4

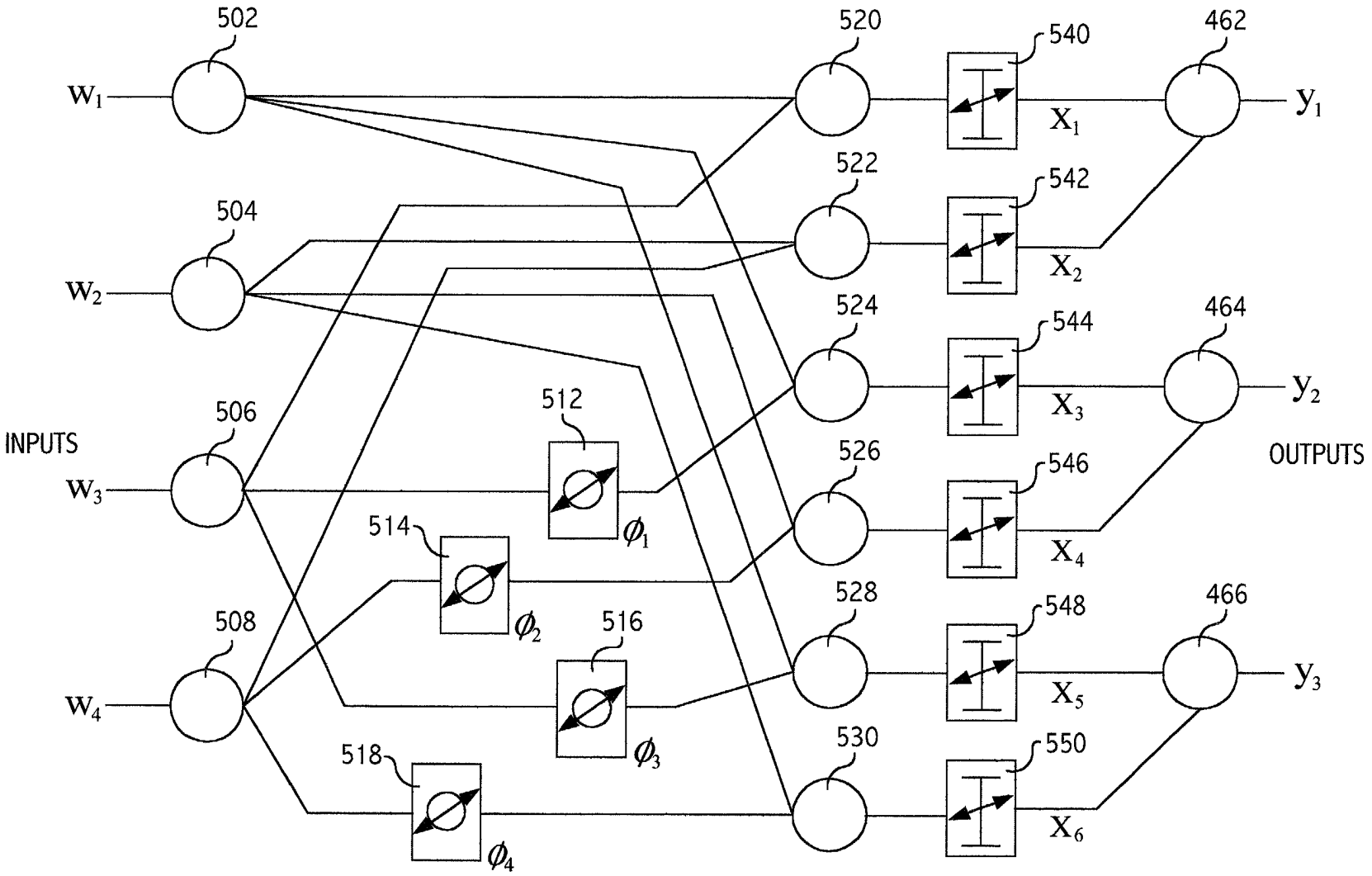
502
504
506
508
INPUTS
w_1
w_2
w_3
w_4
512
514
516
518
ϕ_1
ϕ_2
ϕ_3
ϕ_4
520
522
524
526
528
530
540
542
544
546
548
550
x_1
x_2
x_3
x_4
x_5
x_6
462
464
466
y_1
y_2
y_3
OUTPUTS

FIGURE 5

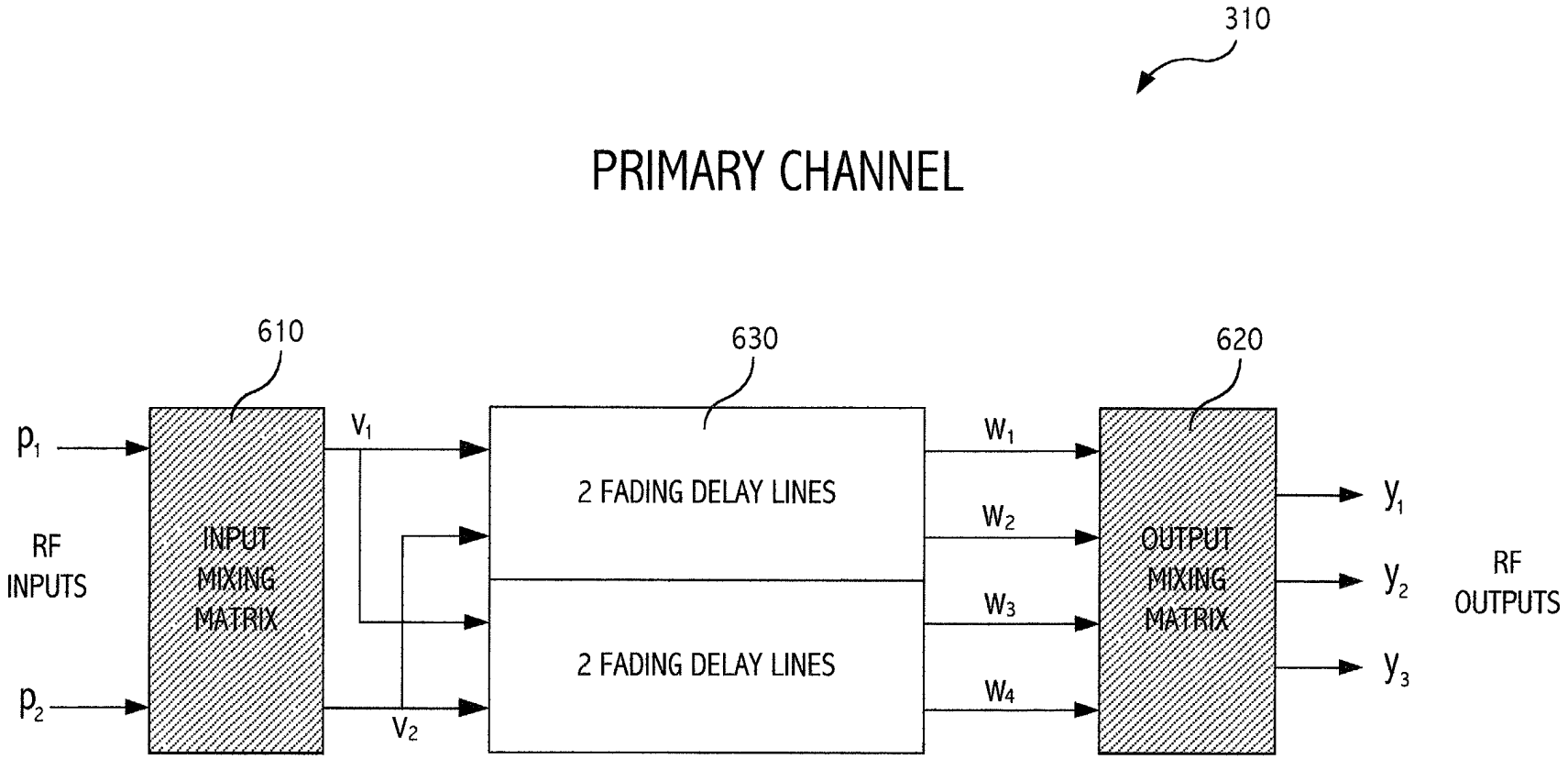
310
PRIMARY CHANNEL
610
630
620
p_1
RF
INPUTS
p_2
INPUT
MIXING
MATRIX
V_1
V_2
2 FADING DELAY LINES
2 FADING DELAY LINES
W_1
W_2
W_3
W_4
OUTPUT
MIXING
MATRIX
y_1
y_2
y_3
RF
OUTPUTS

FIGURE 6

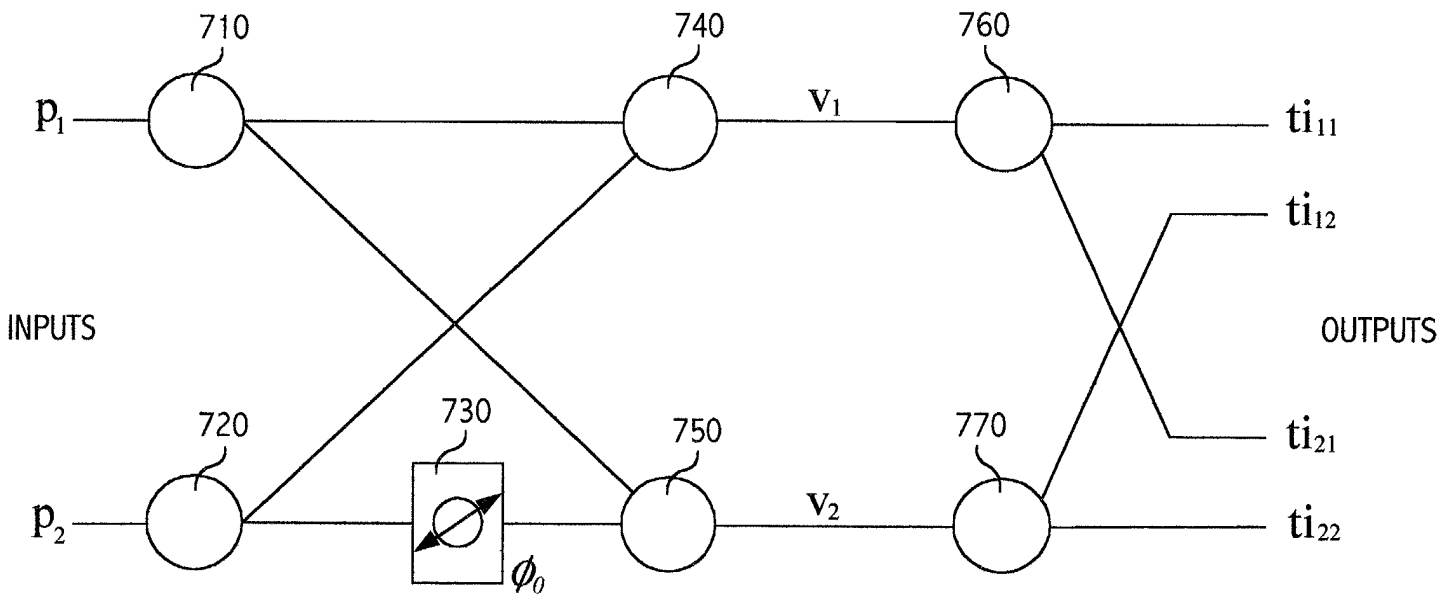
INPUT MIXING MATRIX
710
740
760
p1
v1
ti11
ti12
INPUTS
OUTPUTS
720
730
750
770
p2
v2
ti21
ti22
ϕ0

FIGURE 7